

|  |                      |                         |            |  |
|--|----------------------|-------------------------|------------|--|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(Not for submission under 37 CFR 1.99) | Application Number   |                         | 10759519   |  |
|  | Filing Date          |                         | 2004-01-16 |  |
|  | First Named Inventor | Charles Cantor          |            |  |
|  | Art Unit             | 1634                    |            |  |
|  | Examiner Name        | Stephen Thomas KAPUSHOC |            |  |
| Attorney Docket Number   |                      | 701586-053651           |            |  |

| U.S. PATENTS      |         |               |                        |            |   | Remove   |
|-------------------|---------|---------------|------------------------|------------|---|--|
| Examiner Initial* | Cite No | Patent Number | Kind Code <sup>1</sup> | Issue Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
|                   | 1       |               |                        |            |   |  |

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

| U.S. PATENT APPLICATION PUBLICATIONS |         |                    |                        |                  |   | Remove   |
|--------------------------------------|---------|--------------------|------------------------|------------------|---|--|
| Examiner Initial*                    | Cite No | Publication Number | Kind Code <sup>1</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
| /STK/                                | 1       | 20040081993        | A1                     | 2004-04-29       | Cantor  | (related application)  |
| /STK/                                | 2       | 20020025532        |                        | 2002-02-28       | Huang   |  |

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

| FOREIGN PATENT DOCUMENTS |         |                                      |                             |                        |                  |   | Remove   |                          |
|--------------------------|---------|--------------------------------------|-----------------------------|------------------------|------------------|---|--|--------------------------|
| Examiner Initial*        | Cite No | Foreign Document Number <sup>3</sup> | Country Code <sup>2</sup> j | Kind Code <sup>4</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear | T <sup>5</sup>           |
| /STK/                    | 1       | 2001/068913                          | WO                          |                        | 2001-09-20       | Genset  |  | <input type="checkbox"/> |
| /STK/                    | 2       | 2000/050869                          | WO                          | A2                     | 2000-08-31       | Incyte Pharmaceuticals Inc.                     |  | <input type="checkbox"/> |

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Not for submission under 37 CFR 1.99)

|                        |                         |            |
|------------------------|-------------------------|------------|
| Application Number     |                         | 10759519   |
| Filing Date            |                         | 2004-01-16 |
| First Named Inventor   | Charles Cantor          |            |
| Art Unit               | 1634                    |            |
| Examiner Name          | Stephen Thomas KAPUSHOC |            |
| Attorney Docket Number | 701586-053651           |            |

|       |   |             |    |    |            |                               |                          |
|-------|---|-------------|----|----|------------|-------------------------------|--------------------------|
| /STK/ | 3 | 2001/042496 | WO | A2 | 2001-06-14 | Pyrosequencing AB             | <input type="checkbox"/> |
| /STK/ | 4 | 2001/075163 | WO | A2 | 2001-10-11 | Polygenyx Inc.                | <input type="checkbox"/> |
| /STK/ | 5 | 2001/090399 | WO | A2 | 2001-11-29 | Dade Behring Inc.             | <input type="checkbox"/> |
| /STK/ | 6 | 2001/096607 | WO | A2 | 2001-12-20 | Trustees of Boston University | <input type="checkbox"/> |

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add](#)

**NON-PATENT LITERATURE DOCUMENTS**

[Remove](#)

| Examiner Initials* | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. | T5                       |
|--------------------|---------|---|--------------------------|
| /STK/              | 1       | BRAUN et al., "Improved Analysis of Microsatellites Using Mass Spectrometry." Genomics 46:18-23, 1997.  | <input type="checkbox"/> |
| /STK/              | 2       | BUCHANAN, F. C. et al., "Association of a missense mutation in the bovine leptin gene with carcass fat content and leptin mRNA levels." Genetics Selection Evolution, EDP Sciences, Les Ulis., FR 34(1):105-116, 2002.  | <input type="checkbox"/> |
| /STK/              | 3       | SAUER et al., "Facile method for automated genotyping of single nucleotide polymorphisms by mass spectrometry." Nucleic Acids Research 30(5):1-5, e22, 2002.  | <input type="checkbox"/> |
| /STK/              | 4       | Suomalainen, A. and Syvänen, A. C., "Quantitative analysis of human DNA sequences by PCR and solid-phase minisequencing." Mol Biotechnol 15(2):123-131, 2000.   | <input type="checkbox"/> |
| /STK/              | 5       | TANG, et al., "Single nucleotide polymorphism analyses by MALDI-TOF MS." International Journal of Mass Spectrometry 226:37-54, 2003.  | <input type="checkbox"/> |

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

|                        |                         |
|------------------------|-------------------------|
| Application Number     | 10759519                |
| Filing Date            | 2004-01-16              |
| First Named Inventor   | Charles Cantor          |
| Art Unit               | 1634                    |
| Examiner Name          | Stephen Thomas KAPUSHOC |
| Attorney Docket Number | 701586-053651           |

|       |    |  |                          |
|-------|----|--|--------------------------|
| /STK/ | 6  | AMEXIS, et al., "Quantitative mutant analysis of viral quasispecies by chip-based matrix-assisted laser desorption/ionization time-of-flight mass spectrometry," PNAS 98(21):12097-12102, 2001.                                  | <input type="checkbox"/> |
| /STK/ | 7  | AMEXIS, et al., "Sequence diversity of Jeryl Lynn strain of mumps virus: quantitative mutant analysis for vaccine quality control." Virology 300(2):171-179, 2002.   | <input type="checkbox"/> |
| /STK/ | 8  | Becker-André, M. and Hahlbrock, K., "Absolute mRNA quantification using the polymerase chain reaction (PCR). A novel approach by a PCR aided transcript titration assay (PATTY)." Nucleic Acids Research 17(22):9437-9446, 1989. | <input type="checkbox"/> |
| /STK/ | 9  | BÖCKER, "SNP and mutation discover using base-specific cleavage and MALDI-TOF mass spectrometry." Bioinformatics 19(Suppl 1):i44-i53, 2003.  | <input type="checkbox"/> |
| /STK/ | 10 | DING et al., "Direct molecular haplotyping of long-range genomic DNA with M1-PCR." PNAS 100(13):7449-7453, 2003.   | <input type="checkbox"/> |
| /STK/ | 11 | DORIS et al., "Quantitative analysis of gene expression by ion-pair high-performance liquid chromatography." J Chromatography A 806(1):47-60, 1998.  | <input type="checkbox"/> |
| /STK/ | 12 | ELSO et al., "Mutation Detection Using Mass Spectrometric Separation of Tiny Oligonucleotide Fragments." Genome Research 12:1428-1433, 2002.   | <input type="checkbox"/> |
| /STK/ | 13 | LANDEGREN et al. "Reading Bits of Genetic Information: Methods for Single-Nucleotide Polymorphism Analysis." Genome Research 8:769-776, 1998.  | <input type="checkbox"/> |
| /STK/ | 14 | NAKAI et al., "Highly multiplexed genotyping of coronary artery disease-associated SNPs using MALDI-TOF mass spectrometry." Human Mutation 20:133-138, 2002.   | <input type="checkbox"/> |
| /STK/ | 15 | ROSS et al., "Quantitative Approach to Single-Nucleotide Polymorphism Analysis Using MALDI-TOF Mass Spectrometry." BioTechniques 29(3):620-629, 2000.  | <input type="checkbox"/> |

If you wish to add additional non-patent literature document citation information please click the Add button

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

|                        |                         |
|------------------------|-------------------------|
| Application Number     | 10759519                |
| Filing Date            | 2004-01-16              |
| First Named Inventor   | Charles Cantor          |
| Art Unit               | 1634                    |
| Examiner Name          | Stephen Thomas KAPUSHOC |
| Attorney Docket Number | 701586-053651           |

**EXAMINER SIGNATURE**

|                    |                    |                 |            |
|--------------------|--------------------|-----------------|------------|
| Examiner Signature | /Stephen Kapushoc/ | Date Considered | 07/11/2008 |
|--------------------|--------------------|-----------------|------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.